

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: November 29, 1995  
Date Received: November 27, 1995  
Project: Metro Self Monitor, PO #M51439  
Date Samples Extracted: November 27, 1995  
Date Extracts Analyzed: November 27, 1995

**RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE  
FOR CHROMIUM, COPPER, NICKEL AND ZINC**

**Samples Processed Using Method 3005**  
Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M51439	0.96	0.54	0.57	0.09
Method Blank	<0.05	<0.05	<0.05	<0.05

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Project: Metro Self Monitor, PO #M51439

**QUALITY ASSURANCE RESULTS  
FOR CHROMIUM, COPPER, NICKEL AND ZINC  
Samples Processed Using Method 3005**

Laboratory Code: KJ64244DU

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	0.96	0.96	0	0-20
Copper	mg/L (ppm)	0.54	0.52	4	0-20
Nickel	mg/L (ppm)	0.57	0.57	0	0-20
Zinc	mg/L (ppm)	0.09	0.08	12	0-20

Laboratory Code: KJ64244MS/KJ64244MD

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>Sample Result</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
				<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	0.96	86	85	80-120	1
Copper	mg/L (ppm)	5	0.54	92	92	80-120	0
Nickel	mg/L (ppm)	10	0.57	85	84	80-120	1
Zinc	mg/L (ppm)	5	0.09	87	84	80-120	4

Laboratory Code: Spike Blank

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>% Recovery MS</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	5	93	80-120
Copper	mg/L (ppm)	5	100	80-120
Nickel	mg/L (ppm)	10	92	80-120
Zinc	mg/L (ppm)	5	88	80-120

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

November 29, 1995

Gerry Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on November 27, 1995 from your Metro Self Monitor, PO #M51439 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.




Kurt Johnson  
Chemist

keh  
Enclosures  
FAX: 382-7335  
ACU1129R.DOC





KNJ AI  
11.27.95  
10:45

Send Report To: Alaskan Copper Works Contact: GERALD Thompson  
Company: 628 Hanford WA  
Address: 628 Hanford WA  
City, State, Zip: Seattle WA 98154  
Phone #: (206) 623-5800 x 575 Date: 11-27-85

WELL NO. 7238	PROJECT NAME metro Self monitor	PURCHASE ORDER # M 51438
SAMPLER'S (signature) 		PROJECT LOCATION 3200 Gth Ave S.
REMARKS 		SAMPLE DISPOSAL INFORMATION <input checked="" type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
	GERALD Thompson	A.C.W	11/27/95	10:07
	C. DOWNING	FBI	11/27/95	10:12

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**November 29, 1995**

**INVOICE #95ACU1129-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

**RE:** Project Metro Self Monitor, PO #M51439 : Results of testing requested by  
Gerry Thompson, Project Leader for material submitted on November 27,  
1995.

1 process water sample analyzed for  
Chromium, Copper, Nickel and Zinc  
@ \$65 per sample

\$ 65.00

**Amount Due .....**

**\$ 65.00**